

Amendments to the Abstract

On page 10, at lines 3-20, please amend the ABSTRACT to read as follows:

A high-pressure discharge lamp is produced using ~~effective to prevent initial blackening of the outer casing thereof, is of a long service life, and can easily be manufactured.~~ A tungsten wire that is wound as a double coiled winding around an electrode metal rod, leaving a tip end thereof, and the double coiled winding is machined into a melted tip end by a YAG laser beam, with the remaining double coiled winding used as a coil. The ~~left~~ tip end of the metal rod is machined into a nipple on the distal end of the melted tip ~~end~~. ~~If it is assumed that the~~ The melted tip ~~end~~ has a diameter D1 and a Length L1 ~~up to its distal end~~, the nipple has a proximal end having a diameter D2 and a length L2 ~~from the proximal end up to the distal end thereof~~, and the coil and the melted tip end (including the nipple) have a volume V1 and the melted tip end (including the nipple) has a volume V2, when the electrode assembly is machined to satisfy at least one of the conditions $0.15 \leq D2/D1 \leq 0.3$, $0.2 \leq L2/L1 \leq 0.4$, and $0.2 \leq V2/V1 \leq 0.4$. ~~The machined electrode assembly is incorporated as an electrode into a lamp bulb.~~